

MEMORANDUM

cc: DWPC/FOS/12W
DWPC/CAS

~~12~~ - 12

DATE:
TO:
FROM:
SUBJECT:

8/24/88
DWPC/CAS
Enoch Mennah, DWPC -- Region II
Deficiency Report on LTV Steel
NPDES No. IL0002573 Inspection Date: 8/12/88

Description of apparent NPDES violations

N/A

EPA Region 5 Records Ctr.



307747

Description of O & M Deficiencies

N/A

RECEIVED
Field Operations Section

SEP 01 1988

Environmental Protection Agency
State of Illinois

Initial Action Recommendation:

Should CIL be sent? _____ Immediately _____

Should CIL be held pending lab results? _____

Can phone call resolve problems? _____

Additional comments: _____

Follow up action:

Comments on Discharger Action: _____

Final Action Recommendation: _____

Action Decision: _____

JF:mgg618b/sp/2

WPC 245 12/79



United States Environmental Protection Agency
Washington, D. C. 20460

NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Transaction Code: 1 N 2 5 3 141102593 11 12 12 8 13 0812 17
NPOES yr/mo/day Inspection Type: 18 C Inspector: 19 5 Fac Type: 20 2

Remarks

Reserved: 67 69 Facility Evaluation Rating: 70 3 BI: 71 N QA: 72 N 73 74 75 76 77 78 79 80

Section B: Facility Data

Name and Location of Facility Inspected
LTV Steel-Bar division
11600 S. Burley Avenue
Chicago, IL 60617

Entry Time: ☒ AM ☐ PM Permit Effective Date: 1/30/85
Exit Time/Date: 8/12/88 Permit Expiration Date: 1/1/90

Names of On-Site Representative(s)

Mike Thomas
Tom Dockus

Title(s)

Env. Coordinator
Operator

Phone No(s)

312/933-4
933-4587

Name, Address or Responsible Official

Mike Thomas

Title

Env. Coordinator

Phone No.

312/933-4522

Contacted

☒ Yes ☐ No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>N</u> Pretreatment	<u>S</u> Operations & Maintenance
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>N/A</u> Compliance Schedules	<u>N</u> Sludge Disposal
<u>S</u> Facility Site Review	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

1. Only Outfall 004 was active. It is a non contact cooling water.
2. All process flows are pre-treated and discharge directly to MSD Sewers
3. Boiler Blowdown is discharged to MSD Sewers with alternate discharge to Calumet River. Considering the decreasing production rate, the alternate discharge may never be used.
4. Non hazardous Sludge is neutralized, stock piled on site and hauled once a week.
5. No lab on site.

Names(s) and Signature(s) of Inspector(s)

Enoch Mensah

Agency/Office/Telephone

IEPA - Chicago Area

Date

8/12/88

Signature of Reviewer

Jim Intel

Agency/Office

IEPA / DWPC-FOS - CHGO Area

Date

8/20/88

Regulatory Office Use Only

Action Taken

Date

Compliance Status

☐ Noncompliance
☐ Compliance

Sections F thru L: Complete on all inspections, as appropriate. N/A = Not Applicable

PERMIT NO.

FL0002593

SECTION F - Facility and Permit Background

ADDRESS OF PERMITTEE IF DIFFERENT FROM FACILITY
(Including City, County and ZIP code)LTV Steel Corp.
3100 E. 45th Street
Cleveland, Ohio 44125

DATE OF LAST PREVIOUS INVESTIGATION BY EPA/STATE

3/20/87

FINDINGS

Satisfactory

SECTION G - Records and Reports

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT.

☐ YES☒ NO☐ N/A (Further explanation attached _____)

DETAILS:

(a) ADEQUATE RECORDS MAINTAINED OF:

(i) SAMPLING DATE, TIME, EXACT LOCATION

☐ YES☐ NO☐ N/A

(ii) ANALYSES DATES, TIMES

☐ YES☐ NO☐ N/A

(iii) INDIVIDUAL PERFORMING ANALYSIS

☐ YES☐ NO☐ N/A

(iv) ANALYTICAL METHODS/TECHNIQUES USED

☐ YES☐ NO☐ N/A

(v) ANALYTICAL RESULTS (e.g., consistent with self-monitoring report data)

☐ YES☐ NO☐ N/A

(b) MONITORING RECORDS (e.g., flow, pH, D.O., etc.) MAINTAINED FOR A MINIMUM OF THREE YEARS INCLUDING ALL ORIGINAL STRIP CHART RECORDINGS (e.g. continuous monitoring instrumentation, calibration and maintenance records).

☐ YES☐ NO☐ N/A

(c) LAB EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS KEPT.

☐ YES☐ NO☐ N/A

(d) FACILITY OPERATING RECORDS KEPT INCLUDING OPERATING LOGS FOR EACH TREATMENT UNIT.

☐ YES☐ NO☐ N/A

(e) QUALITY ASSURANCE RECORDS KEPT.

☐ YES☐ NO☐ N/A

(f) RECORDS MAINTAINED OF MAJOR CONTRIBUTING INDUSTRIES (and their compliance status) USING PUBLICLY OWNED TREATMENT WORKS.

☐ YES☐ NO☒ N/A

SECTION H - Permit Verification

INSPECTION OBSERVATIONS VERIFY THE PERMIT.

☒ YES☐ NO☐ N/A (Further explanation attached _____)

DETAILS:

(a) CORRECT NAME AND MAILING ADDRESS OF PERMITTEE.

☐ YES☒ NO☐ N/A

(b) FACILITY IS AS DESCRIBED IN PERMIT.

☒ YES☐ NO☐ N/A

(c) PRINCIPAL PRODUCT(S) AND PRODUCTION RATES CONFORM WITH THOSE SET FORTH IN PERMIT APPLICATION.

☒ YES☐ NO☐ N/A

(d) TREATMENT PROCESSES ARE AS DESCRIBED IN PERMIT APPLICATION.

☒ YES☐ NO☐ N/A

(e) NOTIFICATION GIVEN TO EPA/STATE OF NEW, DIFFERENT OR INCREASED DISCHARGES.

☒ YES☐ NO☐ N/A

(f) ACCURATE RECORDS OF RAW WATER VOLUME MAINTAINED.

☒ YES☐ NO☐ N/A

(g) NUMBER AND LOCATION OF DISCHARGE POINTS ARE AS DESCRIBED IN PERMIT.

☒ YES☐ NO☐ N/A

(h) CORRECT NAME AND LOCATION OF RECEIVING WATERS.

☒ YES☐ NO☐ N/A

(i) ALL DISCHARGES ARE PERMITTED.

☒ YES☐ NO☐ N/A

SECTION I - Operation and Maintenance

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED.

☐ YES☐ NO☒ N/A (Further explanation attached _____)

DETAILS:

(a) STANDBY POWER OR OTHER EQUIVALENT PROVISIONS PROVIDED.

☒ YES☐ NO☐ N/A

(b) ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.

☐ YES☐ NO☒ N/A

(c) REPORTS ON ALTERNATE SOURCE OF POWER SENT TO EPA/STATE AS REQUIRED BY PERMIT.

☐ YES☐ NO☒ N/A

(d) SLUDGES AND SOLIDS ADEQUATELY DISPOSED.

☐ YES☐ NO☐ N/A

(e) ALL TREATMENT UNITS IN SERVICE.

☐ YES☐ NO☒ N/A

(f) CONSULTING ENGINEER RETAINED OR AVAILABLE FOR CONSULTATION ON OPERATION AND MAINTENANCE PROBLEMS.

☒ YES☐ NO☐ N/A

(g) QUALIFIED OPERATING STAFF PROVIDED.

☒ YES☐ NO☐ N/A

(h) ESTABLISHED PROCEDURES AVAILABLE FOR TRAINING NEW OPERATORS.

☒ YES☐ NO☐ N/A

(i) FILES MAINTAINED ON SPARE PARTS INVENTORY, MAJOR EQUIPMENT SPECIFICATIONS, AND PARTS AND EQUIPMENT SUPPLIERS.

☒ YES☐ NO☐ N/A

(j) INSTRUCTIONS FILES KEPT FOR OPERATION AND MAINTENANCE OF EACH ITEM OF MAJOR EQUIPMENT.

☒ YES☐ NO☐ N/A

(k) OPERATION AND MAINTENANCE MANUAL MAINTAINED.

☒ YES☐ NO☐ N/A

(l) SPCC PLAN AVAILABLE.

☒ YES☐ NO☐ N/A

(m) REGULATORY AGENCY NOTIFIED OF BY PASSING. (Dates _____)

☐ YES☐ NO☒ N/A

(n) ANY BY-PASSING SINCE LAST INSPECTION.

☐ YES☐ NO☒ N/A

(o) ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED.

☐ YES☐ NO☒ N/A

PERMIT NO.:

IL0002593

SECTION J - Compliance Schedules

PERMITTEE IS MEETING COMPLIANCE SCHEDULE.

☐ YES ☐ NO ☒ N/A (Further explanation attached _____)

CHECK APPROPRIATE PHASE(S):

- ☐ (a) THE PERMITTEE HAS OBTAINED THE NECESSARY APPROVALS FROM THE APPROPRIATE AUTHORITIES TO BEGIN CONSTRUCTION.
- ☐ (b) PROPER ARRANGEMENT HAS BEEN MADE FOR FINANCING (mortgage commitments, grants, etc.).
- ☐ (c) CONTRACTS FOR ENGINEERING SERVICES HAVE BEEN EXECUTED.
- ☐ (d) DESIGN PLANS AND SPECIFICATIONS HAVE BEEN COMPLETED.
- ☐ (e) CONSTRUCTION HAS COMMENCED.
- ☐ (f) CONSTRUCTION AND/OR EQUIPMENT ACQUISITION IS ON SCHEDULE.
- ☐ (g) CONSTRUCTION HAS BEEN COMPLETED.
- ☐ (h) START-UP HAS COMMENCED.
- ☐ (i) THE PERMITTEE HAS REQUESTED AN EXTENSION OF TIME.

SECTION K - Self-Monitoring Program

Part 1 - Flow measurement (Further explanation attached _____)

PERMITTEE FLOW MEASUREMENT MEETS THE REQUIREMENTS AND INTENT OF THE PERMIT.

☒ YES ☐ NO ☐ N/A

DETAILS:

(a) PRIMARY MEASURING DEVICE PROPERLY INSTALLED. *Estimate flow?* ☐ YES ☐ NO ☐ N/ATYPE OF DEVICE: ☐ WEIR ☐ PARSHALL FLUME ☐ MAGMETER ☐ VENTURI METER ☒ OTHER (Specify _____)(b) CALIBRATION FREQUENCY ADEQUATE. (Date of last calibration _____) ☐ YES ☐ NO ☒ N/A(c) PRIMARY FLOW MEASURING DEVICE PROPERLY OPERATED AND MAINTAINED. ☐ YES ☐ NO ☒ N/A(d) SECONDARY INSTRUMENTS (totalizers, recorders, etc.) PROPERLY OPERATED AND MAINTAINED. ☐ YES ☐ NO ☒ N/A(e) FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGES OF FLOW RATES. ☐ YES ☐ NO ☒ N/A

Part 2 - Sampling (Further explanation attached _____)

PERMITTEE SAMPLING MEETS THE REQUIREMENTS AND INTENT OF THE PERMIT.

☒ YES ☐ NO ☐ N/A

DETAILS:

(a) LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES. ☒ YES ☐ NO ☐ N/A(b) PARAMETERS AND SAMPLING FREQUENCY AGREE WITH PERMIT. ☒ YES ☐ NO ☐ N/A(c) PERMITTEE IS USING METHOD OF SAMPLE COLLECTION REQUIRED BY PERMIT.
IF NO, ☐ GRAB ☐ MANUAL COMPOSITE ☐ AUTOMATIC COMPOSITE FREQUENCY ☒ YES ☐ NO ☐ N/A(d) SAMPLE COLLECTION PROCEDURES ARE ADEQUATE. ☒ YES ☐ NO ☐ N/A(i) SAMPLES REFRIGERATED DURING COMPOSITING ☐ YES ☐ NO ☒ N/A(ii) PROPER PRESERVATION TECHNIQUES USED ☐ YES ☐ NO ☒ N/A(iii) FLOW PROPORTIONED SAMPLES OBTAINED WHERE REQUIRED BY PERMIT ☐ YES ☐ NO ☒ N/A(iv) SAMPLE HOLDING TIMES PRIOR TO ANALYSES IN CONFORMANCE WITH 40 CFR 136.3 ☐ YES ☐ NO ☒ N/A(e) MONITORING AND ANALYSES BEING PERFORMED MORE FREQUENTLY THAN REQUIRED BY PERMIT. ☐ YES ☒ NO ☐ N/A(f) IF (e) IS YES, RESULTS ARE REPORTED IN PERMITTEE'S SELF-MONITORING REPORT. ☐ YES ☐ NO ☒ N/A

Part 3 - Laboratory (Further explanation attached _____)

PERMITTEE LABORATORY PROCEDURES MEET THE REQUIREMENTS AND INTENT OF THE PERMIT.

☐ YES ☐ NO ☐ N/A

DETAILS:

(a) EPA APPROVED ANALYTICAL TESTING PROCEDURES USED. (40 CFR 136.3) ☐ YES ☐ NO ☐ N/A(b) IF ALTERNATE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED. ☐ YES ☐ NO ☐ N/A(c) PARAMETERS OTHER THAN THOSE REQUIRED BY THE PERMIT ARE ANALYZED. ☐ YES ☐ NO ☐ N/A(d) SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. ☐ YES ☐ NO ☐ N/A(e) QUALITY CONTROL PROCEDURES USED. ☐ YES ☐ NO ☐ N/A(f) DUPLICATE SAMPLES ARE ANALYZED. _____ % OF TIME. *Not Evaluated* ☐ YES ☐ NO ☐ N/A(g) SPIKED SAMPLES ARE USED. _____ % OF TIME. *Not Evaluated* ☐ YES ☐ NO ☐ N/A(h) COMMERCIAL LABORATORY USED. ☐ YES ☐ NO ☐ N/A(i) COMMERCIAL LABORATORY STATE CERTIFIED. ☐ YES ☐ NO ☐ N/A

LAB NAME _____

LAB ADDRESS _____

PERMIT NO.

FL0002593

SECTION L - Effluent/Receiving Water Observations (Further explanation attached _____)

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOL	COLOR	OTHER
004	None	_____	_____	_____	_____	_____	_____
001-003	Not Active	_____	_____	_____	_____	_____	_____
005	Not Active	_____	_____	_____	_____	_____	_____

(Sections M and N: Complete as appropriate for sampling inspections)

SECTION M - Sampling Inspection Procedures and Observations (Further explanation attached _____)

- ☐ GRAB SAMPLES OBTAINED
☐ COMPOSITE OBTAINED
☐ FLOW PROPORTIONED SAMPLE
☐ AUTOMATIC SAMPLER USED
☐ SAMPLE SPLIT WITH PERMITTEE
☐ CHAIN OF CUSTODY EMPLOYED
☐ SAMPLE OBTAINED FROM FACILITY SAMPLING DEVICE

No Samples Collected

COMPOSITING FREQUENCY _____ PRESERVATION _____

SAMPLE REFRIGERATED DURING COMPOSITING: ☐ YES ☐ NO

SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE _____

SECTION N - Analytical Results (Attach report if necessary)

NPDES #1L 00 6-25-77

[illegible]

